

ABSTRACT

A control circuit for controlling a bias circuit coupled to an amplifier is disclosed.

An exemplary bias control circuit comprises means for receiving a control voltage, and

5 means for actively adjusting an equivalent resistance of the bias control circuit responsive to the control voltage, wherein the equivalent resistance is established between the first node and a reference voltage. In one embodiment, when the control voltage is increased, the equivalent resistance is gradually decreased and a current drawn by the bias control circuit is gradually increased, resulting in a quiescent current of the amplifier transistor
10 being gradually increased.